

RECEIVED

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Dennis E. Hall

Address
Thompson Falls

Date well started 5/11/78

Date well started _____

completed 5-11-93

Type of well

(Dug, driven, bored or drilled)

Equipment used

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

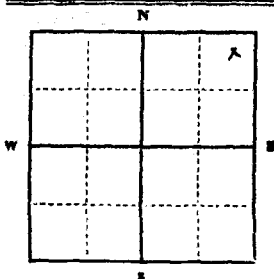
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

***Describe**

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Twisted Steel	Size and Weight of Channel	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
1 1/2	10 lb	0	10	1/4	0	10



Static water levelft.*
Pumping water levelft.*
atgallons per minute,
measuredminutes after pumping
began.

*Measured from ground level.

Well developed by ...
for hours.

Power..... Pump..... HP

Remarks: (Gravel packing, cementing, packers, type of shutoff)

NE 1/4 NE 1/4 Sec. ~~10~~ 2
T. 22 N R. 30 E
S W

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.
EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature _____

Driller's Address _____

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)

[illegible]

LICENSE NO.

☐ Show exact depth of bottom

RECEIVED

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

JUN 21 1973

DRILLER'S LOG

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Dennis E. Hill

Address Thompson Falls, MT

Date well started 5/11/73

completed 5/15/73

Type of well drilled

Equipment used Charn drill

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

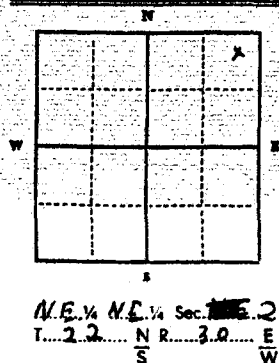
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☒

*Describe

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Well	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" id	2 1/2" x 6" id	0	129	does not	apply	



Static water levelft.*
Pumping water levelft.*
atgallons per minute,
measuredminutes after pumping
began.
*Measured from ground level.
Well developed by
forhours.
Power Pump HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.
EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature James J. Hill

Driller's Address

LICENSE NO.

Top of Ground		(Elev. above sea level)
From (Feet)	To (Feet)	
0	10	
10	20	
20	30	
30	40	
40	50	
50	60	
60	70	
70	80	
80	90	
90	100	
100	110	
110	120	
120	130	
130	140	
140	150	
150	160	
160	170	
170	180	
180	190	
190	200	
200	210	
210	220	
220	230	
230	240	
240	250	
250	260	
260	270	
270	280	
280	290	
290	300	
300	310	
310	320	
320	330	
330	340	
340	350	
350	360	
360	370	
370	380	
380	390	
390	400	
400	410	
410	420	
420	430	
430	440	
440	450	
450	460	
460	470	
470	480	
480	490	
490	500	
500	510	
510	520	
520	530	
530	540	
540	550	
550	560	
560	570	
570	580	
580	590	
590	600	
600	610	
610	620	
620	630	
630	640	
640	650	
650	660	
660	670	
670	680	
680	690	
690	700	
700	710	
710	720	
720	730	
730	740	
740	750	
750	760	
760	770	
770	780	
780	790	
790	800	
800	810	
810	820	
820	830	
830	840	
840	850	
850	860	
860	870	
870	880	
880	890	
890	900	
900	910	
910	920	
920	930	
930	940	
940	950	
950	960	
960	970	
970	980	
980	990	
990	1000	

Show exact depth of bottom

53682

843

128375

I received and filed
this instrument for record on the 19
day of June 13
at 11:50 o'clock A.M.
Deane Vaughn
County Recorder
Per 150 day

Linda Brown, Sec

File No.

T. 22 R. 30

DUPLICATE

County Liberty

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1967
STATE ENGINEER

**Notice of Completion of Groundwater Appropriation
Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....1955.....

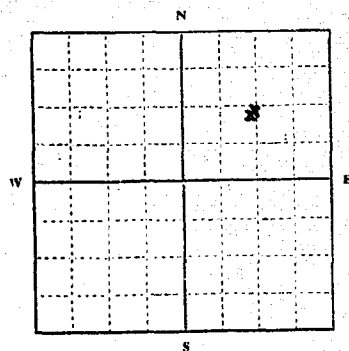
Owner.....Mr. Jess M. Cook..... Address.....Belnap, Mont......

Contractor (if any)None.....

Address of ContractorNone.....

Date Started..... Date Completed.....

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.....None.....



NE 1/4..... Sec. 4..... T. 22 R. 30.....

Indicate point of appropriation and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.....

Every day use for cattle.....

Signature of Owner.....Jess M. Cook.....

Date.....Dec. 30, 1965.....

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

303
Indexed

I received and filed
this instrument for record on the
30 day of Dec
1963 at 9:12 o'clock P M
Dorothy Dodson
County Recorder
Fee \$1.00

File No.

T 22 N R. 30 W

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

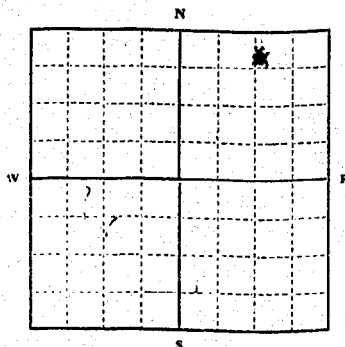
RECEIVED
JAN 4 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Mr. Jess M. Cook of Bellevue
(Name of Appropriator) (Address) (Town)

County of Sanders State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 4 T. 22 R. 30

Indicate point of appropriation
and place of use, if possible. Each
small square represents 10 acres.

2. The beneficial use on which the claim is based.....

Domestic and stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....

8 years

4. The amount of groundwater claimed (in miner's inches or gallons per minute).....

20 inches

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.....

No

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....

Surface Syphon Syphon

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....

Unknown

8. The depth of water table.....

8 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....

Cement walls

10. The estimated amount of groundwater withdrawn each year.....

16,250

11. The log of formations encountered in the drilling of each well if available.....

clay

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....

Unknown

Signature of Owner

Jess M. CookDate Dec, 30, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of
Mines and Geology, and Quadruplicate for the Appropriator.

21463

352

Indexed

I received and filed
this instrument for record on the

30 day of Dec

1963 at 9:10 o'clock AM

Dorothy Dudson
County Recorder

Fee \$1.00

File No.

T. 22 ✓ R. 30 ✓

DUPLICATE

County Sanders

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

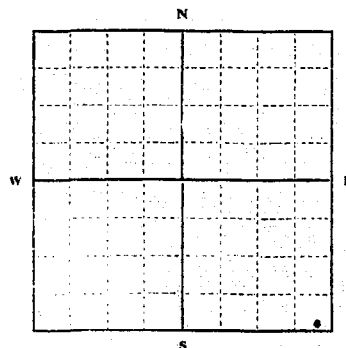
RECEIVED
JAN 3 1963

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Rex H. and Altha M. Thompson of Bellman
(Name of Appropriator) (Address) (Town)

County of Sanders State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 10, T. 22, R. 30

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Household use.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1940 or 1942. Steady.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 400 gal. per hour

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Garden and yard irrigation.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump, shallow well.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1940 or 1942, Cleaned and put a metal cribbing in about three years ago.

8. The depth of water table four feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Type, shallow well, Size, 3 feet in diameter Depth, 6 feet deep.

10. The estimated amount of groundwater withdrawn each year 500,000 gallons.

11. The log of formations encountered in the drilling of each well if available Not available.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None.

Signature of Owner Rex H. Thompson
Altha M. Thompson

Date December 27, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

2141

300
Delayed

102540

I received and filed
this instrument for record on the

27th day of Dec.
1963 at 11:40 o'clock P. M

Donna By Richardson
County Recorder
Fee \$1.00 By
Dixie Vaughn
Cly.

RECEIVED
JAN 9 1959

STATE ENGINEER
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 22 R. 30

County Sunburst

WATER WELL LOG

©			

Owner R. W. TRUEAX and Sons, Malt TRUEAX Address THOMPSON, FALLS

Driller Earl King Address St Ignace

Date Started June 1959 Date Completed July 1959

Location: Sec 13 T. 22 R. 30 1/4 sec. 5 1/2 SW 1/4

Type of well Drilled

(Dug, driven, bored, or drilled)

Equipment used Churn drill

(Churn drill, rotary, other)

Water use: Domestic ☒

Municipal ☐

Stock ☒

Irrigation ☒ Garden

Industrial ☐

Drainage ☐

Other: General Farm use

Casing: ground ft. to 106 ft.

Type Steel Size 6 inch

Casing: 98 ft. to 100 ft.

Type _____ Size _____

Casing: _____ ft. to _____ ft.

Type _____ Size _____

Perforated or Screened: Ft. 99 to ft. 100 Ft. _____ to ft. _____

Type of screen or perforations perforated drill shoe

Static Water level, for non-flowing well: 88 feet.

Shut-in pressure, for flowing well: _____ lb./sq. in. on: _____ (date)

Pumping water level 88 feet at _____ gal. per min.

How tested: _____

Length of test: _____

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

[illegible]

Instrument for record on the
8th day of June
 1959 at 2:25 o'clock P
Wesley Jackson
 County Recorder
 Fee 50c

File No.

T. 22 N. R. 30 W.

DUPLICATE

County. SANDERS

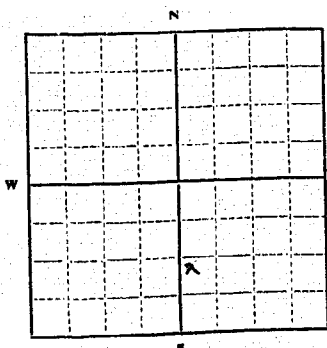
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. WALLACE BRITTON of Thompson Falls
(Name of Appropriator) (Address) (Town)
County of SANDERS State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec 14 T22 R30

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based. Stock,
domestic & garden irrigation
3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been. 1958 - continuous
4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 100 - gallons per day
5. If used for irrigation, give the acreage and description of the lands
to which water has been applied and name of the owner thereof
Small Tract near residence - Owners
Wallace & Howard Britton
6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal. Electric
pump - 1/2 horsepower - 1 1/2 inch outlet
p-p-o
7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater. 1958
8. The depth of water table. 50 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater. Drilled well - 8 inch steel casing
110 feet deep
10. The estimated amount of groundwater withdrawn each year. 365,000 gallons
11. The log of formations encountered in the drilling of each well if available. not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
reference to book and page of any county record.

Signature of Owner Wallace BrittonDate Dec 31, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is
located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau
of Mines and Geology, and Quadruplicate for the Appropriator.

25076

517
Indexed

I received and filed
an instrument for record on the
31st day of Dec
1963 at 2:50 o'clock P M
Dorothy Anderson
County Recorder
Fee \$1.06

By
Dorothy Wood
Dep

File No.

T. 22N R. 30W

DUPLICATE

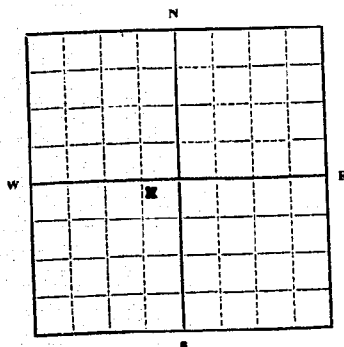
County Sanders

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 27 1963

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Northern Pacific Railway Co. of N.P. Section House Belknap
(Name of Appropriator) (Address) (Town)
County of Sanders State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 14 T. 22N R. 30W

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based
Domestic purposes
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
April 27, 1952 to present
4. The amount of groundwater claimed (in miner's inches or gallons per minute)
15 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
None
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Hand pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
Started April 19, 1952 completed April 27, 1952

8. The depth of water table 89 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
6 inch drilled well, 107 feet deep

10. The estimated amount of groundwater withdrawn each year well capped at present time

11. The log of formations encountered in the drilling of each well if available see attached log 49

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None

Northern Pacific Railway Company

Signature of Owner R. M. Houghton Deputy Assistant

Date November 4, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

STATE OF WASHINGTON) ss
COUNTY OF SPOKANE)

N. M. Lorentzsen, having been duly sworn, deposes and says:
That he is of lawful age; that he is Division Superintendent of the Northern Pacific Railway Company and has his office and resides in the City and County of Spokane, State of Washington; that as Division Superintendent of said Northern Pacific Railway Company his territory embraces the town of Belknap, Sanders County, Montana; that the Northern Pacific Railway Company is the appropriator and claimant of the order and water right mentioned in the foregoing declaration of vested groundwater rights and the said N. M. Lorentzsen is authorized by the Northern Pacific Railway Company to execute on its behalf the foregoing Declaration of Vested Groundwater Rights; that as Division Superintendent of the Northern Pacific Railway Company and authorized to act on its behalf he has read and knows the contents of said foregoing notice and that the matters and things therein stated are true.

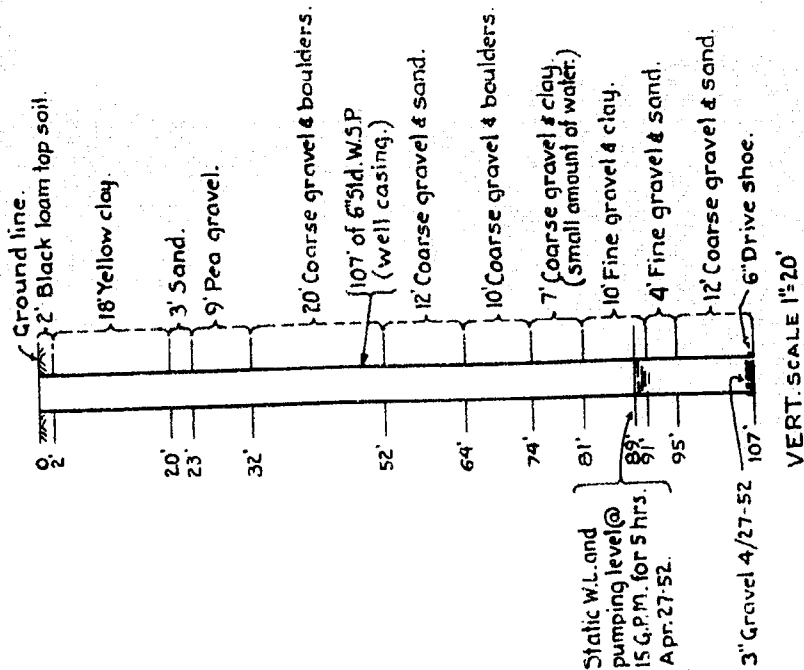
N. M. Lorentzsen
Subscribed and sworn to before me this 14 day of November, 1963.

Hart Snyder
Notary Public in and for the
State of Washington
Residing at Spokane, Washington
My Commission expires 10/17/1966

MONT. 49

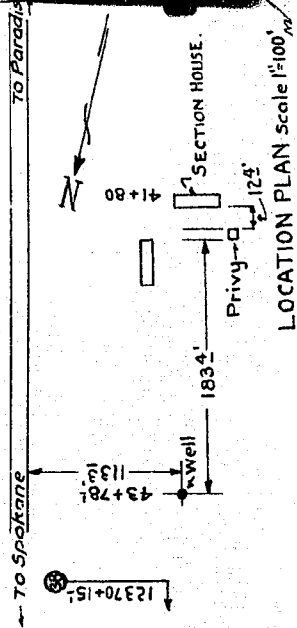
5/29-52
Idaho, Div.

BELKNAP, MONT. AFE. 303-51. SECTION HOUSE.
6" Well, 107' Deep.
Drilled by Walter Riddick, contractor, Helena, Mont.
Work begun, Apr. 19-52, completed Apr. 27-52.



Water Analysis, 5/28-52.	
Calcium bicarbonate	7.5 G.P.G.
Magnesium	3.0 "
" sulfate	3.5 "
" chloride	0.2 "
Sodium carbonate	0.0 "
" bicarbonate	0.0 "
" sulfate	0.7 "
" chloride	0.59 "
Silica	1.3 "
Iron	0.0 P.P.M.
pH	7.8
Total dissolved solids	17.3 G.P.G. actual.
Turbidity	5

Note: See file 1060-1, for drilling and test data.
Office of Engineer of Water Service, St. Paul.



130
Indefinite

I received and filed
this instrument for record on the
26th day of Nov
1963 at 8:26 o'clock A.M.
Dorothy Jackson
County Recorder
Fee \$1.00 By
Ralph Taught
Ry.

File No. 719

MONTANA WATER RESOURCES BOARD

T. 22 R. 30

RECEIVED

County Sanders

DUPLICATE

LOG

OCT 16 1967

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level.....)

28' sand, gravel and clay
8' brown clay
24' boulders, sand and gravel
50' sand, gravel, boulders & water

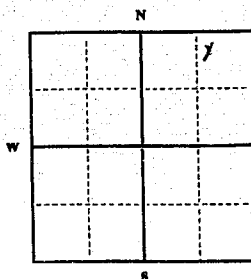
Notice of Completion of Groundwater Appropriation by Means of Well DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Howard W. Rathbun Address Thompson FallsDriller Kane Water Well Drilling Address St. RegisDate of Notice of appropriation of groundwater 6/12/67Date well started 6/22/67 Date completed 7/7/67Type of well drilled Equipment used churn
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☒
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" id	.280	0	110 1/2'	does not apply		

Static Water Level for non-flowing well 60 1/2 feet.Shut-in Pressure for Flowing Well 3Pumping Water Level 63 1/2 feet
at 20 gal. per minute.Discharge in gal. per min. of flowing well 2How Tested bailed and pumpedLength of Test 1 1/2 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff).....

NE 1/4 Sec. 14 T. 22 R. 30
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

23

Driller's License Number

Eugene S. Kane
Driller's Signature.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

110' Show exact depth of bottom.

42, 400

112368

I received and filed
this instrument for record on the 13th
day of October 19 67
at 11:15 o'clock P.M.

Barthel Rodson
County Recorder

Fee \$1.00 By

Charles S. Ditty
Deputy

File No.

DUPLICATE

T. 22 N. R. 30 W.

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 10 1964

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 5-10-15

Owner Joe Garrison Address Belknap Mont

Contractor (if any)

Address of Contractor

Date Started 5-10-15 Date Completed

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Surface water

4 Stock Ponds

used all year

N		X	
		X	
W	E	X	
		X	
S		X	
		X	

S.E. 1/4 Sec. 15 T. 22 R. 30

Indicate point of appropriation and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.

all year

Signature of Owner Joe Garrison

Date Jan 6-1964

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

30394

588

Indefinite

I received and read
this instrument for record on the

7 day of Jan

1964 at 8:14 o'clock A M

Martha Madison

County Recorder

Fee 1.00 By Ry

Nixie Vaughn Wp

File No. _____

DUPLICATE

T. 22

R. 30

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Aug. 10 - 1936Owner Glenn D. Hill Address BellevueContractor (if any) noneAddress of Contractor noneDate Started June 1st Date Completed Aug 10 - 1936

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. a natural spring that was cleaned out - a cement cistern was built - housed, and piped about 4 miles to the buildings

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use. The water is used for household purposes, livestock, and to irrigate the lawns and garden in the summer. The spring flows about 250 gal. per hr.

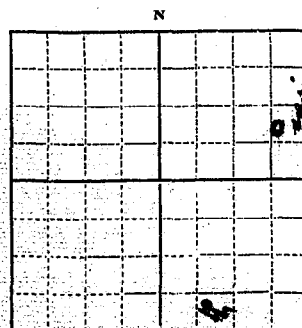
Signature of Owner Glenn D. HillDate Jan. 16 - 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.



S. E. 1/4 NE Sec. 15 T. 22 R. 30

Indicate point of appropriation and place of use, if possible.

68

INDEXED

I, the undersigned, do hereby certify that the foregoing is a true and correct copy of the instrument for record as the

17 day of January
1963 at 11:30 o'clock A.M.

Marathy Madan
County Recorder

For 100 By Alexia Vaught

Sanders
County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner **Don Saint**

Address Thompson Falls

Montana

Date well started 10/23/72

completed 10/27/72

Type of well **Drilled**

For Administrator's Use

File 855,126609

Nov. 16, 1992 1:02p

GW 1

Equipment used Churn Drill

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

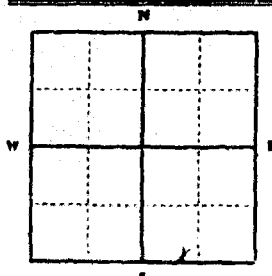
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

***Describe**

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Ends and Nuts	Size and Weight of Coupling per ft.	Feet (Feet)	To Gross	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 in.	6 in. 17 lbs. per ft.	0	106			



Static water level 37 ft.
Pumping water level 36 ft.
at 25 + gallons per minute,
measured 60 minutes after pumping
began.

*Measured from ground level.

Well developed by balling
for 6 hours.

Power _____ Pump _____ HP _____
Remarks: (Gravel packing, cementing,
packers, type of shutoff)

SE 1/4 SE 1/4 Sec. 23
T. 22 N. R. 20

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.
EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Chris Ingabrun

Driller's Address Box 1361 Trout Creek, Montana

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)

[illegible]

106 feet Show exact depth of bottom

LICENSE NO. 202

5,865

855
INDEXED

126609

I hereby certify that
this instrument is correct on the 16
day of Nov 1912
at 1:42 o'clock
By Reverend
Clergy Recorder
For 1.50 by

Linda Brown, Sec.

File No.

STATE WATER CONSERVATION BOARD
R E C E I V E D
 SEP 10 1965

T. 22 N. R. 30 W. 25

DUPLICATE

County SANDERS

LOG

REFERRED TO

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level 2400)

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

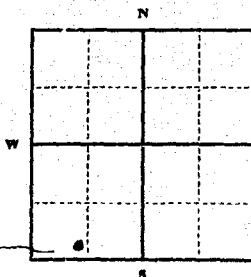
Owner STAN B. ... AddressDriller ... Address ...

Date of Notice of appropriation of groundwater

Date well started Aug 21, 1965 Date completed ...Type of well Drilled Equipment used ...
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 ID	4" OD	6.0	6.5			

Static Water Level for non-flowing well 55 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 63 feetat ... gal. per minute.

Discharge in gal. per min. of flowing well

How Tested ...Length of Test ...

Remarks: (Gravel packing, cementing, packers, type of shutoff)

SW 1/4 Sec. 25, T22N, R30W
 Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Driller's License Number 151Driller's Signature ...

39523

File No.

STATE WATER CONSERVATION BOARD

R E C E I V E D
SEP 10 1965

T. 22N R. 30W S5

DUPLICATE

County SANDERS

LOG

REFERRAL TO

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level 21400)

TAN CLAY, SILT, SAND

GRAVEL

TAN CLAY, SILT, SAND

GRAVEL & COBBLERS

TAN CLAY

TAN CLAY, SAND & GRAVEL

SAND, GRAVEL & WATER

SAND, GRAVEL & WATER

SAND, GRAVEL & WATER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Steve Barker Address _____Driller Ken Williams Address 1217 Howell St.Missoula, Mont.

Date of Notice of appropriation of groundwater _____

Date well started Aug 31, 1965 Date completed Sept 2, 1965Type of well Drilled Equipment used Churn

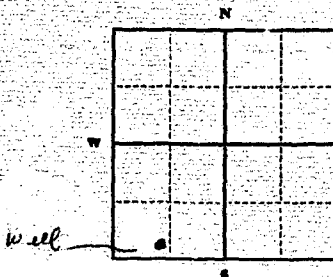
(Dug, Driven, bored or drilled)

(Churn drill, rotary or other)

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
 Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" I.D. 6 1/2" O.D.	19 LBS 5' x 5'7"	6 inches above GROUND	65'			



Static Water Level for non-flowing well 55 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 63 feet

at 20 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Ball Test

Length of Test 4 HOURS

Remarks: (Gravel packing, cementing, packers, type of shutoff) _____

SHA, Sec 25 T22N R30W
 Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed 1 / the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state otherwise the form will be returned.

151
 Driller's License Number

Ken Williams
 Driller's Signature

39573

656

original

106932

RECEIVED
I received and filed
this instrument for record on the 3
day of Sept 19 65
at 1:00 o'clock P M
Barthelme Roden
County Recorder
Fee 1.00 By Evelyn Cox

Evelyn Cox

File No.

T. 22^N R. 30^W

DUPLICATE

County Sanders

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 11 1963

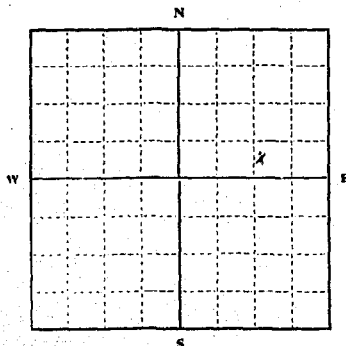
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Fred E. Gettmann and Mildred T. Gettmann, of Thompson Falls, Montana
(Name of Appropriator) (Address) (Town)

County of Sanders State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4
1/4 Sec 26 T. 22 R. 30

Indicate point of appropriation
and place of use, if possible. Each
small square represents 10 acres.

2. The beneficial use on which the claim is based Household
purposes and watering cattle

3. Date or approximate date of earliest beneficial use; and how continu-
ous the use has been June 15th, 1949 and continuous
since that date

4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 30 gallons per minute

5. If used for irrigation, give the acreage and description of the lands
to which water has been applied and name of the owner thereof
No irrigation

6. The means of withdrawing such water from the ground and the loca-
tion of each well or other means of withdrawal
Electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater May 20th, 1949 and completed on or about
May 1957

8. The depth of water table approximately 5 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater 40 feet deep, 4 1/2 feet in diameter at
bottom of well and about 3 1/2 feet at the top
Concrete block construction

10. The estimated amount of groundwater withdrawn each year 250,000 Gals.

11. The log of formations encountered in the drilling of each well if available
Gravel and clay

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
reference to book and page of any county record

Signature of Owner Fred E. Gettmann
Mildred T. Gettmann
Date December 9th, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state. otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of
Mines and Geology, and Quadruplicate for the Appropriator.

162

102285

Indefinite

I received and filed
this instrument for record on the
9 day of Dec
1963 at 2:40 o'clock P
Dorothy Harrison
County Recorder
Fee 1.00

File No. 250T. 22 R. 30

DUPLICATE

County Garfield

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

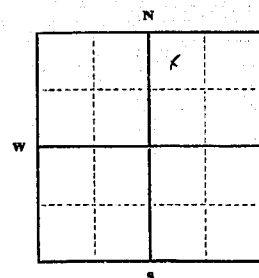
Owner Edward T. Reesor Address Belt, Mont.Driller Philip R. Lewis Address Thompson Falls, Mont.

Date of Notice of appropriation of groundwater.....

Date well started Aug 23, 1968 Date completed Sept 5, 1968Type of well Drilled Equipment used Churn drill
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 inch	6 inch	top	34	NONE	NONE	NONE
	19 lb. welded drive shafts welded joint					



Static Water Level for non-flowing well

5 feet 7 inchesShut-in Pressure for Flowing Well NONEPumping Water Level 5 feet 7 inches
at 8 gal. per minute.

Discharge in gal. per min. of flowing well

NONEHow Tested PumpLength of Test 3 1/2 hoursRemarks: (Gravel packing, cementing, packers, type of shutoff) NONE

Lot 2
Sec. 26, T. 22, R. 30
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Driller's License Number

136
Philip R. Lewis
Driller's Signature

45703

150
INDEXED

116995

I received and filed
this instrument for record on the 2nd
day of October 1969
at 2:52 o'clock PM

Barth S. Sedman
County Recorder

\$1.00

Eleanor H. Eldridge
Sg.

MONSIEUR WATER BUREAU BOARD

RECEIVED

OCT 6 1969

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Clyde Christensen
Address Thompson Falls,
Montana
Date well started 8/18/71
completed 8/23/71

For Administrator's Use	
File	
GW 1	

Type of well Drilled
(Dug, driven, bored or drilled)

Equipment used Churn drill
(Churn drill, rotary or other)

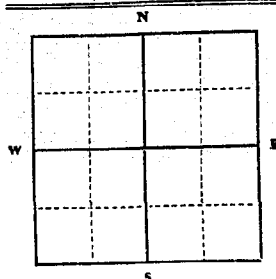
Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☒ Garden/Lawn ☐

*Describe Trailer Court

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" 17lbs. per ft.	0	45 feet			



1/4 Sec. 38
T. 22 N. R. 30 E.
9

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Chris Ingelbreton

Driller's Address P.O. Box 1361 Front Street,
Montana LICENSE NO. 202

County Sanders

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	7	top soil and sand
7	43	gravel with some hardpan
43	47	gravel and water
47	60	clay
60	74	hard pan and bed rock
		pulled casing back to 45 feet

45 ft. Show exact depth of bottom

49064

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Lyde Christensen
Address Phonon Falls,
Montana
Date well started 8/18/71
completed 8/23/71

For Administrator's Use	
File	
GW 1	

Type of well Drilled
(Dug, driven, bored or drilled)

Equipment used Shurn drill
(Churn drill, rotary or other)

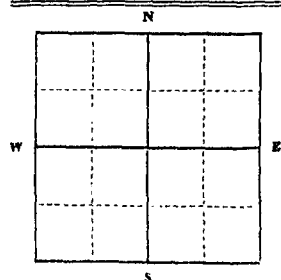
Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☒ Garden/Lawn ☐

*Describe Trailer Court

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
6"	1 1/2 lbs. per ft.	0	45 feet	Kind Size	From (Feet)	To (Feet)



1/4 Sec. 36
T. 22 N. R. 30 E. S. 9

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Chris Ingelsten

Driller's Address Box 100, Grand Forks, N.D.

Montana LICENSE NO. 202

County Sanders

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	7	top soil and sand
7	43	gravel with some hard pan
43	47	gravel and water
47	60	clay
60	74	hard pan and hard rock
		ulled casing back to 45 feet

Static water level 35 ft.*
Pumping water level 25 ft.*
at 1.35 gallons per minute,
measured 30 minutes after pumping began.
*Measured from ground level.
Well developed by 3 hours.
Power 12 Sub. Pump 3000 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

Show exact depth of bottom

49064

794
INDEXED

122840

I received and filed
for record on (Date) 3/5/57
Aug 1957
3:25 P.M.
Doris Vaught
County Recorder
8.00 by
Linda Browne, Dep.

File No.

T. 22N R. 30W

DUPLICATE

County Sanders

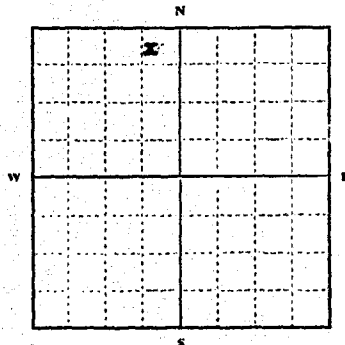
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 5 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Arthur A. Harlow, of Thompson Falls
(Name of Appropriator) (Address) (Town)
County of Sanders State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE $\frac{1}{4}$ NW Sec 36 T.22 R.30

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based.....
Domestic and stock
3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been. 1943--continuous since then.
4. The amount of groundwater claimed (in miner's inches or gallons
per minute).....50 Gal. per minute
5. If used for irrigation, give the acreage and description of the lands
to which water has been applied and name of the owner thereof
Not applicable
6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal.....
Electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater.....1943, approximately
8. The depth of water table.....100 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater.....
Drilled -- 6" casing -- 120 ft. deep
10. The estimated amount of groundwater withdrawn each year.....120,000 gallons
11. The log of formations encountered in the drilling of each well if avail..... Not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
reference to book and page of any county record.....Not applicable.

Signature of Owner Arthur A. Harlow

Date Dec. 2, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

147
dupd

102231

I received and filed
this instrument for record on the
3 day of December
1963 at 11:20 o'clock A.M.
Margery Jackson
County Recorder
Fee 1.00 By
 Evelyn Wood, Dep.

RECEIVED

County SANDERS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner PHILIP LEWIS

Address RT 1 BOX 11A

THOMPSON FALLS MONT

Date well started MARCH 15, 1972

completed APRIL 1, 1972

Type of well DRILLED

Equipment used CHURN DRILL

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☒

Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

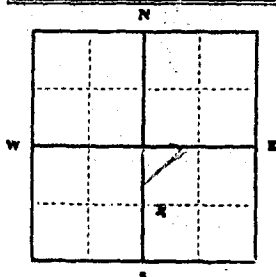
*Describe NOT APPLICABLE

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block

and Addition). TWO ACRES

ESTIMATED ANNUAL WITHDRAWAL 1 ACRE FOOT

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 IN	6 IN 19 LB	TO 60 FT GROUND	75 FT	NONE	NONE	NONE



W. 1/4 Sec. 36
T. 22 N. R. 32 E.
S. W.

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.
EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Chris Ingelton

Driller's Address Box 1361

Trout Creek Mont.

LICENSE NO. 202

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
100	15	SANDY SILT
15	50	FINE SAND
50	51	COURSE SAND SMALL AMOUNT OF WATER
51	60	CLAY
60	75	ROCK NOT HARD ENOUGH TO STAND HAD TO BE CASED WATER CAME IN FROM 75 TO 75 FEET

75 ft Show exact depth of bottom

915

128546

I received and filed
this instrument for record on the 22nd
day of June 13
at 9:48 o'clock A.
Dixie Vaughn
County Recorder
per 1st by

Lincoln B. Brown, Dip

INDEXED

RECEIVED

County SANDERS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner PHILIP R. LEWIS

Address RT. 1 BOX 11A

THOMPSON FALLS MONT

Date well started JUNE 1, 1967

completed JUNE 15, 1967

For Administrator's Use	
File	<u>128545, 94</u>
	<u>6-28-73</u>
GW 1	<u>946 & 11</u>

Type of well DRILLED

(Dug, driven, bored or drilled)

Equipment used CHURN DRILL

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☒

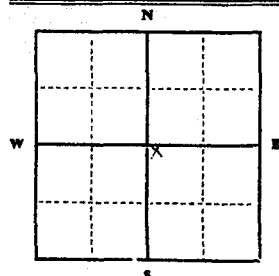
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☒

*Describe NOT APPLICABLE

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition). TWO ACRES

ESTIMATED ANNUAL WITHDRAWAL 2 ACRE FEET

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>6 IN</u>	<u>6 IN</u>	<u>TOP OF 1984 GRUMP</u>	<u>106 FT</u>	<u>NONE</u>	<u>NONE</u>	<u>NONE</u>



Static water level 30 FT ft.*
Pumping water level 32 FT ft.*
at 50 gallons per minute, measured 60 minutes after pumping began.

*Measured from ground level.
Well developed by DAILEY PUMP
for 24 hours.

Power ELECT. Pump 3 HP

Remarks: (Gravel packing, cementing, packers, type of shutoff)

N. 10 SE 1/4 Sec. 36
T. 22 N R. 30 E

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Philip R Lewis

Driller's Address RT. 1 BOX 11A THOMPSON
FALLS MONT

LICENSE NO. 136

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground		(Elev. above sea level)
From (Feet)	To (Feet)	
<u>TOP</u>	<u>18</u>	<u>SANDY SILT.</u>
<u>18</u>	<u>35</u>	<u>SAND</u>
<u>35</u>	<u>89</u>	<u>CLAY</u>
<u>89</u>	<u>90</u>	<u>COURSE SAND SHAL</u>
		<u>AMOUNT OF WATER</u>
<u>90</u>	<u>104</u>	<u>CLAY</u>
<u>104</u>	<u>106</u>	<u>COURSE GRAVEL</u>
		<u>WATER BEARING</u>

106 FT Show exact depth of bottom

914

128545

I received and filed
this instrument for record on the 29th
day of June 19 73
at 9:46 o'clock A.M.
Lipie Vanght
County Recorder
Rec. 1 by
Linda Brewster, Dep.

INDEXED

File No. 726

MONTANA WATER RESOURCES BOARD

T. 22N R. 30W

DUPLICATE

RECEIVEDCounty SANDERSHOLE # 1 LOG

APR 5 1968

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level)

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

0-8 Silty Sand & Clay

8-21 Clay, gravel & sand

21 Seep of water

21-37 Clay

37-54 Rock - Seams of clay

No Water

Casing pulled & Hole filled with clay

State of Montana

THOMPSON FALLS St. PK.

Owner Fish & Game

Address Thompson Falls, Mont.

Driller Glenn Camp

Address Missoula, Montana

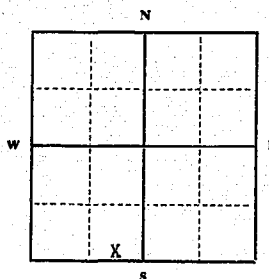
Date of Notice of appropriation of groundwater

Date well started March 2, 1968 Date completed March 5, 1968

Type of well Drilled Equipment used Churn Drill
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☒ State Park

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
6" I.D.	6" I.D. 18.97 # per ft.			Casing Pulled		

Static Water Level for non-flowing well
.....feet.

Shut-in Pressure for Flowing Well.....feet.

Pumping Water Level.....feet
at.....gal. per minute.Discharge in gal. per min. of flowing well
.....

How Tested.....

Length of Test.....

Remarks: (Gravel packing, cementing, packers, type of shutoff).....

SE 1/4 Sec. 36, T. 22N R. 30W

Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

License # 7

Driller's License Number

Glenn Camp
Driller's Signature, Glenn Camp

14,035

726
INDEXED

113266

I received and filed

the instrument for record on the 3rd

day of April 1968

at 8:02 o'clock A.M.

Dorothy Rodson
County Recorder

By
Deane Thught
Dep.

File No. 725

MONTANA WATER RESOURCES BOARD

T. 22N R. 30W

DUPLICATE

County SANDERS

RECEIVED

APR 5 1968

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERHOLE # 2 LOG
Top of Ground

(Elev. above sea level)

0-11 Silty Sand
11-24 Gravel & Clay
24-30 Sand & Gravel
(Seep of water at 30')
30-37 Clay & gravel
37-58 Clay
58-62 Clay & gravel
62-84 Boulder or chunk of rock
84-79 Clay & gravel
79-101 Solid rock with seams of clay
101-102 Water in rock (about 13 GPM)
102-106 Rock (no more water)

Notice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

STATE OF MONTANA THOMPSON FALLS ST. PK.
Owner FISH & GAME Address Thompson Falls, Mont.
1522 S. 14th W.
Driller Glenn Camp Address Missoula, Montana

Date of Notice of appropriation of groundwater

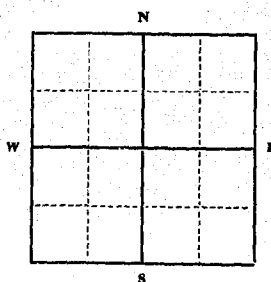
Date well started March 6, 1968 Date completed March 14, 1968

Type of well Drilled Equipment used Churn Drill
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☒ State Park

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8" I.D.	6" I.D.	1' above G.L.	87'	Burned in 5" liner	25' 98'	25' 106'
	18.97 lb per ft.				Total of 36 perforations	
	5" I.D.	79'	106'			
	14.81 lb per ft.					

Static Water Level for non-flowing well 25 feet from G.L.

Shut-in Pressure for Flowing Well

Pumping Water Level 103' feet at 13 gal. per minute with 75' drawdown

Discharge in gal. per min. of flowing well

How Tested Test PumpLength of Test 2 Hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) Cement Grout from 0-10' using 6 bags cement. 1 bag cement = 5 Gal. water

SE 1/4 Sec. 36 T.22N. R.30W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

License # 7

Driller's License Number

Glenn Camp
Driller's Signature Glenn Camp

44,0334

725
INDEXED

113265

I received and filed
this instrument for record on the 3rd
day of April 19 68
at 8:00 o'clock A M

Ruthy Rodson
County Recorder
For fee by
Lizzy Daught
Def

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4232

File No.

T. 22^N R. 30^W 36

DUPLICATE

LOG

Top of Ground

(Elev. above sea level.....)

0' SAND + SILT
 6'-6" TAN CLAY, SAND, GRAVEL
 11' + Boulders
 11' TAN CLAY, SILT, SAND
 36' + GRAVEL
 36' TAN CLAY, SILT, SAND
 41' GRAVEL + Boulders
 41' TAN CLAY + GRAVEL
 48' SAND OF WATER IN CLAY
 48' TAN CLAY + SILT
 105' BED ROCK - SOLID ROCK
 135'

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER JUL 22 1965

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

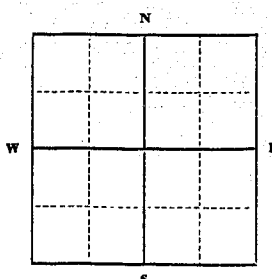
Owner PARK DAIRY STATE FISH & GAME COMM. Address HELENA, MONT.Driller KEN WILLIAMS Address 1219 HOWELL ST.
MISSOULA, MONT.

Date of Notice of appropriation of groundwater.....

Date well started July 9, 1965 Date completed July 16, 1965Type of well DRILLED Equipment used CHURN DRILL
 (Dug, Driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
 Industrial ☐ Drainage ☐ Other ☒ PARK

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" I. D.	6 5/8" O. D. 18.97 LBS. PER FT.	GROUND LEVEL	135 FT.			



Lot 4

3 1/4 Sec. 36 T22N R. 30W
 Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 34'-6" feet.

Shut-in Pressure for Flowing Well.....

Pumping Water Level 130' feetat 5 gal. per minute.

Discharge in gal. per min. of flowing well.....

How Tested B.A. TESTLength of Test 4 HOURS

Remarks: (Gravel packing, cementing, packers, type of shutoff).....

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Driller's License Number 151Driller's Signature Ken Williams

39319

154

Indefinite

I received and used
this instrument for record on the 21
day of July 1965
at 10:30 o'clock A M
Barthyl Hudson
County Recorder
Fee No Fee By

Enclips Cort Dep

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

RECEIVED

OCT 27 1970

County Sanders

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Mr. Frances L. J. Basnaw

Address Thompson Falls,
Montana

Date well started 9/20/70
completed 10/8/70

For Administrator's Use		
File	<u>120491</u>	
	<u>October 23, 1970</u>	
	<u>R. L. B. 127</u>	
GW 1		

Type of well drilled
(Dug, driven, bored or drilled)

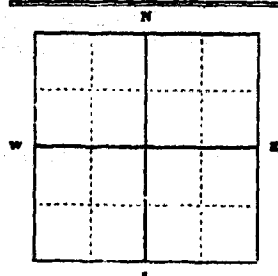
Equipment used Churn drill
(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irriga ☐
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

*Describe
USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. lot, block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
6 in.	6 in. 17 lbs. per ft.	top of ground	97 feet	Kind Size	From (Feet)	To (Feet)



Static water level 71 ft.
Pumping water level 12 ft.
at 2 gallons per minute,
measured 2 minutes after pumping began.
*Measured from ground level.
Well developed by with sand and gravel
for 1 hours.
Power 1 1/2 pump.
Remarks: (Gravel packing, cement, g. packers, type of shutoff)

1/2 Section
T. 22 N. R. 50 E. S. 5 W.

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Chris Ingbratson
Driller's Address Thompson Falls, Montana

LICENSE NO. 227

Top of Ground		(Elev. above sea level)
From (Feet)	To (Feet)	
0	2	top soil
2	33	rock and gravel
33	46	loose gravel
46	95	clay
95	97	washed gravel and water

Show exact depth of bottom

A 1688

176
INDEXED

120491

I received and filed

this record in the 13th

Oct.

at 2:16 o'clock P M

Trinity Adams
County Recorder

9/10 By

Edmund S. Colledge
Sgt.

GROUNDWATER INDEX

Page of

County Sanders Twp. 22N Rge. R. 29W.

[illegible]

30

File No.

T. 22N R. 29W

DUPLICATE

County Sanders

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

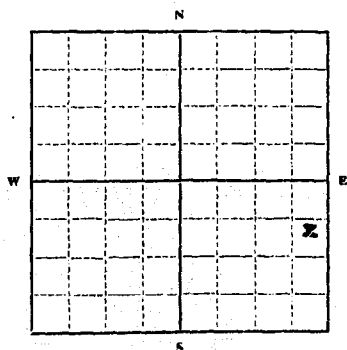
RECEIVED
NOV 27 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

I, Arthur A. Harlow, of Thompson Falls
(Name of Appropriator) (Address) (Town)
County of Sanders State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 30 T. 22 R. 29

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based.
Domestic & stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1921; continuous until 1949; intermittent since then.

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 50 gal. per minute.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.
Not applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.
windmill & hand pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1921 approximately

8. The depth of water table. 20 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
Hand dug, concrete lined, 4 ft. diameter, 40 ft. deep.

10. The estimated amount of groundwater withdrawn each year. 120,000 gallons

11. The log of formations encountered in the drilling of each well if available. Not available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.
Not available.

Signature of Owner. Arthur A. Harlow

Date. Sept. 28, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriator.

1892

136

Indefinite

I received and here
this instrument for record on the

26 day of Nov.

1963 at 2:15 o'clock P M

Marthy Dodson
County Recorder

Fee 1.00

*By Evelyn Wood
clerk*

G

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No.

T 22 N R 29 W

DUPLICATE

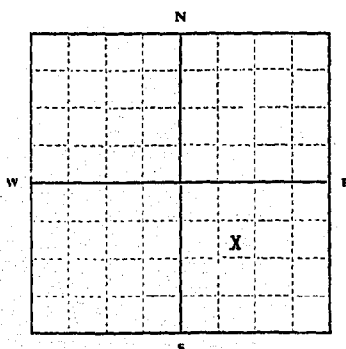
County Sanders

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. F.A. Burghard, of Thompson Falls
(Name of Appropriator) (Address) (Town)
County of Sanders State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE $\frac{1}{4}$ Sec. 32 T. 22 R. 29

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Domestic, Stock and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been June 15, 1948 and continuous ever since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 400 gallons per hour

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
SE $\frac{1}{4}$ of Sec. 32, Twp 22 N. R. 29 W.
F.A. Burghard and Gladys Irene Burghard

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater June 1, 1948 and completed June 7, 1948

8. The depth of water table 8 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater dug well, 4 X 8" galvanized water casing and pump house

10. The estimated amount of groundwater withdrawn each year 350,000

11. The log of formations encountered in the drilling of each well if available not available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

F.A. Burghard

Date December 27, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

25085

526
Indexed

I received and filed
this instrument for record on the
31st day of Dec
1963 3:52 o'clock P M
Dorothy Dodson
County recorder
Fee 8.00

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Paul Parlan

Address Thompson Falls, Mt.

Date well started Jan 30, 1973

completed Mar 9, 1973

Type of well Drilled

Equipment used Churn Drill

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

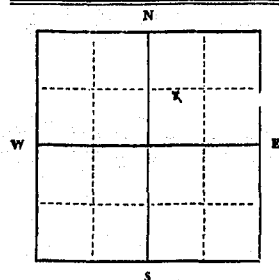
*Describe

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block

and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" id	280 x 6" id	0	103	does not apply		



T. 22 N. 1/4 Sec. 32
R. 22 E. 27

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Byrne S. Kane

Driller's Address St. Regis, Mt.

LICENSE NO. 25

County Sanders

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground		(Elev. above sea level)
From (Feet)	To (Feet)	
0	1	soil
1	14	clay, gravel, small boulder
14	47	fine sand, seepage
47	60	clay, gravel
60	92	clay, boulders, gravel
92	164	rock strata of gray & brown rock
164	312	black, yellow, gray rock
312	316	black, blue rock, water
316	325	broken rock, water

325 Show exact depth of bottom

52, 709.

574

127526

I received and filed

this instrument for record on the 19

day of March 13

at 4:30 o'clock P.

Dignity Thawght

County recorder

by

Linda Browne, Deputy

GROUNDWATER INDEX

Page of

County Sanders Twp. 22N Rge. 27W

[illegible]

File No.

DUPLICATE

County Sanders

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 10 1963

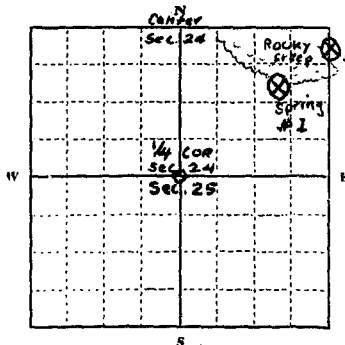
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Mrs. Fred W. Mass, of Eddy
(Name of Appropriator) (Address) (Town)

County of Sanders State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 24 T. 21N R. 28W
NE 1/4 Sec. 25 T. 21N R. 27W
Indicate point of appropriation
and place of use, if possible. Each
small square represents 10 acres.

2. The beneficial use on which the claim is based. Water needed for livestock water and forage subirrigation and for planned residence sites on land which I now own as indicated including garden.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Have been using water for livestock use since 1890. Continuous use.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gallons per minute in each spring.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Has been subirrigating 40 acres or more continuously since 1899.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Serves livestock now as small surface source and subirrigation of pasture. Intent to develop full potential for surface water for livestock and residence in future.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Plan excavations 10 feet deep with retaining wall for reservoir for full development--no wall planned at this time.

8. The depth of water table. Same at surface except in extremely dry years.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. Some water at surface at both spring sites indicated on diagram now except for very short time in extremely dry years and always provides subirrigation. Plan to excavate both sites about 10 feet deep and install reservoir wall to provide storage and control.

10. The estimated amount of groundwater withdrawn each year. Probably about 20 gals. per minute for each spring in surface water and subirrigation. A total of 30 million gallons per year.

11. The log of formations encountered in the drilling of each well if available. None.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. The water source of both of these springs are situated on land owned by me in the NE 1/4 Sec. 24. The surface water of Spring #2 as shown on diagram is on N.E. land just outside my property. I intend to develop this water just above where it shows on the surface and pipe it to my land about 150 ft. distance from surface water showing.

Signature of Owner Mrs. Fred W. Mass

Date Dec 30th 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

30370

574

Indepd

I received and filed
this instrument for record on the

6 day of Jan

1964 at 8:16 o'clock a M

Marthy Dodson

County Recorder

For 1st By

Dixie Naught
Rep